



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

Attention: Matthew Weintraub

Atlantic Environmental Consulting, LLC

3725 Alpine Drive

Endicott, NY 13760

Phone: (607) 239-4311

Fax:

Received Date: 09/21/2016 11:03 AM

Analysis Date: 09/23/2016 - 09/24/2016

Collected Date: 09/17/2016

Project: 214 HARMON STREET, ELMIRA, NY

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-201 031628488-0001		Description 2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-202 031628488-0002		Description 2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-203 031628488-0003		Description 2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-204 031628488-0004		Description 2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-205 031628488-0005		Description 2FL/ WALL - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	16.00% Cellulose	58.00% Gypsum 26.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-206 031628488-0006			Description 2FL/ FOYER - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	10.00% Cellulose	62.00% Gypsum 28.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-207 031628488-0007			Description 2FL/ R BR - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray	5.00% Cellulose	55.00% Gypsum 40.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-208 031628488-0008			Description 2FL/ LAUNDRY - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White/ Beige		40.00% Ca Carbonate 25.00% Gypsum 35.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-209 031628488-0009			Description 2FL/ REAR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White/ Pink		52.00% Ca Carbonate 20.00% Gypsum 28.00% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-210 031628488-0010			Description 2FL/ LR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White		50.00% Ca Carbonate 50.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> I1716-211-Skim Coat 031628488-0011		<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ White	8.00% Cellulose	35.00% Ca Carbonate 57.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-211-Rough Coat 031628488-0011A		<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-212 031628488-0012		<b>Description</b> 2FL/ FOYER - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray		2.00% Mica 68.00% Non-fibrous (other) 30.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-213 031628488-0013		<b>Description</b> 2FL/ R BR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray		15.00% Ca Carbonate 50.00% Non-fibrous (other) 35.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-214-Texture 031628488-0014		<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White		35.00% Ca Carbonate 7.00% Mica 58.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> I1716-214-Drywall 031628488-0014A		<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	15.00% Cellulose	55.00% Gypsum 30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-215-Texture 031628488-0015		<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Tan		35.00% Ca Carbonate 5.00% Mica 60.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-215-Drywall 031628488-0015A		<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	5.00% Cellulose	65.00% Gypsum 30.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-216 031628488-0016		<b>Description</b> 2FL/ WALL - LOOSE FILL INSULATION <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Tan	86.00% Cellulose	14.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-217 031628488-0017		<b>Description</b> 2FL/ WALL - LOOSE FILL INSULATION <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown	90.00% Cellulose	10.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> I1716-218 031628488-0018		<b>Description</b> 2FL/ REAR REGISTER - FABRIC DUCT WRAP <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	30.00% Cellulose	12.90% Non-fibrous (other)	<b>57.10% Chrysotile</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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EMSL Order: 031628488

Customer ID: ATEN78

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-219 031628488-0019		Description 2FL/ FRONT REGISTER - FABRIC DUCT WRAP Homogeneity			
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-220 031628488-0020		Description 2FL/ SIDE REGISTER - FABRIC DUCT WRAP Homogeneity			
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-221 031628488-0021		Description 2FL/ FRONT - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Gray	2.00% Cellulose 4.00% Hair	50.00% Non-fibrous (other) 44.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-222 031628488-0022		Description 2FL/ FRONT - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	2.00% Hair	10.00% Ca Carbonate 43.00% Non-fibrous (other) 45.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-223 031628488-0023		Description 2FL/ VESTIBULE - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-224 031628488-0024		Description 2FL/ VESTIBULE - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected

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## Test Report: Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-225 031628488-0025		Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	89.20% Other	10.80% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-226 031628488-0026		Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-227 031628488-0027		Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	87.10% Other	12.90% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-228 031628488-0028		Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-229 031628488-0029		Description 1FL/ REAR BATH - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-230 031628488-0030		Description 1FL/ REAR BATH - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-231 031628488-0031		Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-232 031628488-0032		Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-233 031628488-0033		Description 1FL/ BATH WALL - MASTIC Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-234 031628488-0034		Description 1FL/ KITCHEN WALL - MASTIC Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-235 031628488-0035		Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White 13.10% Min. Wool		86.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected
Sample ID 11716-236 031628488-0036		Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White 18.10% Min. Wool		81.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-237 031628488-0037			Description 1FL/ SIDE - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	18.00% Cellulose	50.00% Gypsum 32.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-238 031628488-0038			Description 1FL/ L MID - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray	10.00% Cellulose	60.00% Gypsum 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-239-Joint Compound 031628488-0039			Description 1FL/ L BR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White	None	35.00% Ca Carbonate 10.00% Mica 53.17% Non-fibrous (other)	1.83% Chrysotile
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-239-Tape 031628488-0039A			Description 1FL/ L BR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White	93.00% Cellulose	7.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-240 031628488-0040			Description 1FL/ FRONT - JOINT COMPOUND Homogeneity		
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-241 031628488-0041			Description EXTERIOR/ WALL - FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-242 031628488-0042		Description Homogeneity	EXTERIOR/ WALL - FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-243 031628488-0043		Description Homogeneity	EXTERIOR/ 2FL R - GLAZING COMPOUND Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Blue	<1.00% Fibrous (other)	100.00% Other	Inconclusive : <1.00% Anthophyllite
TEM NYS 198.4 NOB	09/24/2016	Blue		100.00% Other	None Detected
Sample ID 11716-244 031628488-0044		Description Homogeneity	EXTERIOR/ 1FL R - GLAZING COMPOUND Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-245 031628488-0045		Description Homogeneity	EXTERIOR/ R SIDE - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White/ Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White/ Black		100.00% Other	None Detected
Sample ID 11716-246 031628488-0046		Description Homogeneity	EXTERIOR/ FRONT - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan/ White/ Blue		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan/ White/ Blue		100.00% Other	None Detected
Sample ID 11716-247 031628488-0047		Description Homogeneity	ROOF/ PORCH - BITUMINOUS ROOFING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	19.50% Glass	80.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)

Initial Report From: 09/24/2016 10:18:36



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Customer ID: ATEN78

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-248 031628488-0048		Description Homogeneity	ROOF/ PORCH - BITUMINOUS ROOFING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	23.40% Glass	75.40% Other	1.20% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-249 031628488-0049		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-250 031628488-0050		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-251 031628488-0051		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	16.00% Glass	84.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-252 031628488-0052		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	20.80% Glass	79.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-253 031628488-0053		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	None	100.00% Other	Inconclusive : <1.00% Chrysotile
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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EMSL Order: 031628488

Customer ID: ATEN78

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Project ID:

### Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	11716-254	Description	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT		
	031628488-0054	Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	None	100.00% Other	Inconclusive : <1.00% Chrysotile
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

### Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

#### Report Comments:

Sample Receipt Date: 9/21/2016

Sample Receipt Time: 11:03 AM

Analysis Completed Date: 9/23/2016

Analysis Completed Time: 6:05 PM

#### Analyst(s):

Shahrakur Mahmud PLM NYS 198.1 Friable (15)

Tiquasha Thompson PLM NYS 198.1 Friable (8)

Jon Williams PLM NYS 198.6 NOB (30)

Alicia Folgar TEM NYS 198.4 NOB (26)

#### Samples reviewed and approved by:

James Hall, Laboratory Manager  
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf) EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

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